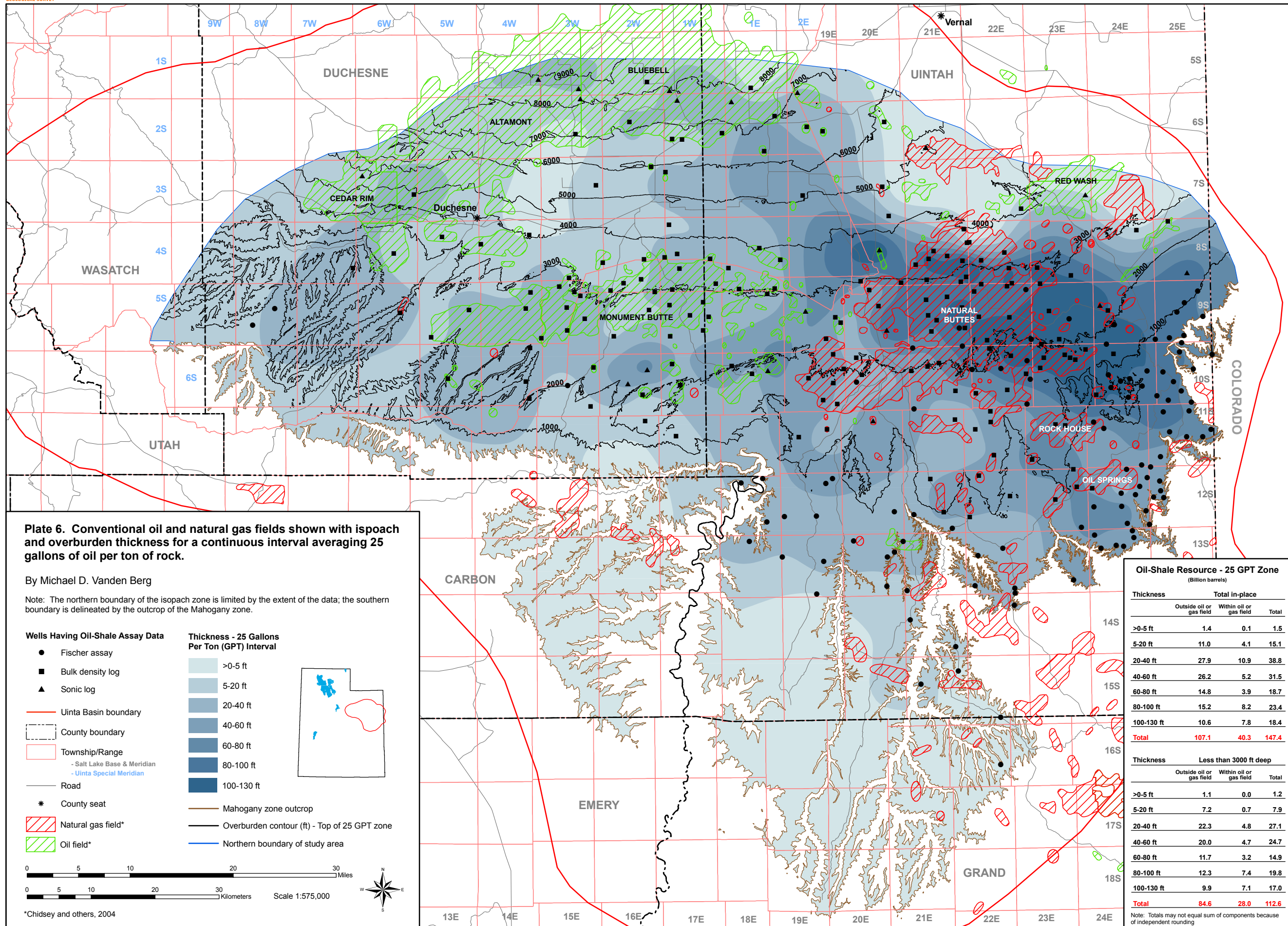


Basin-wide Evaluation of the Uppermost Green River Formation's Oil-Shale Resource, Uinta Basin, Utah and Colorado



**Plate 6. Conventional oil and natural gas fields shown with isopach and overburden thickness for a continuous interval averaging 25 gallons of oil per ton of rock.**

By Michael D. Vanden Berg

Note: The northern boundary of the isopach zone is limited by the extent of the data; the southern boundary is delineated by the outcrop of the Mahogany zone.

**Wells Having Oil-Shale Assay Data**

- Fischer assay
- Bulk density log
- ▲ Sonic log

**Thickness - 25 Gallons Per Ton (GPT) Interval**

- >0-5 ft
- 5-20 ft
- 20-40 ft
- 40-60 ft
- 60-80 ft
- 80-100 ft
- 100-130 ft

**Other Symbols:**

- Uinta Basin boundary
- - - County boundary
- Township/Range
- Salt Lake Base & Meridian
- Uinta Special Meridian
- Road
- \* County seat
- ▨ Natural gas field\*
- ▨ Oil field\*
- Mahogany zone outcrop
- Overburden contour (ft) - Top of 25 GPT zone
- Northern boundary of study area

**Oil-Shale Resource - 25 GPT Zone**  
 (Billion barrels)

Thickness	Total in-place		
	Outside oil or gas field	Within oil or gas field	Total
>0-5 ft	1.4	0.1	1.5
5-20 ft	11.0	4.1	15.1
20-40 ft	27.9	10.9	38.8
40-60 ft	26.2	5.2	31.5
60-80 ft	14.8	3.9	18.7
80-100 ft	15.2	8.2	23.4
100-130 ft	10.6	7.8	18.4
<b>Total</b>	<b>107.1</b>	<b>40.3</b>	<b>147.4</b>

Thickness	Less than 3000 ft deep		
	Outside oil or gas field	Within oil or gas field	Total
>0-5 ft	1.1	0.0	1.2
5-20 ft	7.2	0.7	7.9
20-40 ft	22.3	4.8	27.1
40-60 ft	20.0	4.7	24.7
60-80 ft	11.7	3.2	14.9
80-100 ft	12.3	7.4	19.8
100-130 ft	9.9	7.1	17.0
<b>Total</b>	<b>84.6</b>	<b>28.0</b>	<b>112.6</b>

Note: Totals may not equal sum of components because of independent rounding

\*Chidsey and others, 2004